Yahoo Group Archive: Mutekhightechnology

Yahoo Group summary: muTek - high technology & design

These Yahoo Groups messages were archived in WARC format by ArchiveTeam in 2018. This PDF was generated by Digital Library of Amateur Radio & Communications from the WARC files in 2026.

Date span: 2012-03-17 through 2017-12-06

Source WARC: mutekhightechnology.uICSzAN.warc.gz

Source item: https://archive.org/details/yahoo-groups-2018-09-28T07-05-00Z-e077d5

Messages included in this PDF: 53

Yahoo replaced the domain portions of email addresses with @... in the archived messages. Characters lost in Yahoo's archived text appear as ?.

Messages are presented in ascending Yahoo message-ID order. Gaps indicate records absent from the source WARC or messages omitted from this PDF as spam.

1. Welcome to the group

Yahoo group: Mutekhightechnology
Date: 2012-03-17 09:54:19 UTC
From: g8ubj
Topic: 1 Message: 1

I have set up this group to share information on muTek products.
I own an FT-221R with RPCB144ub and use it for 2M terrestrial DX work. I'm sure many of you have other excellent products from this company,

I have created several directories to make things easy. Please feel free to store and share information about muTek products. Please create a directory if you have an unlisted product it may be that someone can upload information for you in the future?
If you see something is already there please don't save duplicates unless its a better scan?

I have recently been in touch with Clive GM4FZH who is helping sort things out at muTek and he has been most helpful. I'm sure we all wish him well in this work.

The muTek website is at http://www.mutekrf.com/

VY 73 and good posting. - Rex G8UBJ

2. New file uploaded to Mutekhightechnology

Yahoo group: Mutekhightechnology
Date: 2012-03-17 09:57:40 UTC
From: Mutekhightechnology@yahoogroups.com
Topic: 2 Message: 2

```
Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the Mutekhightechnology
group.

File : /RPCB 144ub/RPCB144ubinst_2.pdf
Uploaded by : g8ubj <g8ubj.io91uj@...>
Description :

You can access this file at the URL:
http://groups.yahoo.com/group/Mutekhightechnology/files/RPCB%20144ub/RPCB144ubinst_2.pdf

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/l/us/yahoo/groups/original/members/web/index.html
Regards,

g8ubj <g8ubj.io91uj@...>
```

3. Greetings

Yahoo group: Mutekhightechnology
Date: 2012-03-17 14:13:55 UTC
From: pwhatton
Topic: 3 Message: 3

Hi Rex

Many thanks for starting this group.

I have a Mutek board in my old FT221 as well as the Mutek boards that were made for the Yaesu FT736R.

I will see if I can find the instructions etc and upload them to the files area.

I can also probably lay my hands on a copy of the instructions for the Mutek 144MHz RF switched preamp.

It would be great of Chris GW4DGU who of course started the original Mutek company could be persuaded to join the group. He is active and hangs out in the UK Microwaves yahoogroup. I suspect he would be difficult to persuade though.

73 Paul G4DCV

4. Great News for Mutek Users

Yahoo group: Mutekhightechnology
Date: 2012-03-17 14:32:42 UTC
From: g8eci
Topic: 4 Message: 4

Hi Rex,

Thanks for putting the effort into starting this group. I have 2 Mutek front end boards in use, in two FT221r's, still going strong some 30 years after purchase. Look forward to reading the posts and sharing any news or ideas with other group members

73 es DX Derek G8ECI.

5. Geoup

Yahoo group: Mutekhightechnology
Date: 2012-03-17 14:41:58 UTC
From: Keith
Topic: 5 Message: 5

Hi Rex,
I am glad you have set up this group, Sad to hear of Charles's passing though.
I have 2 FT225's both with Mutek f/end boards.
73
Keith G3VKW

6. Bypass relay

Yahoo group: Mutekhightechnology
Date: 2012-03-17 18:58:09 UTC
From: g8ubj
Topic: 6 Message: 6

All,
Now we have some members (Thanks to all who joined) I have a question on using the bypass feature on the FT221 PCB..

I am planning to install an amp capable of about 300w and improved antennas (2x Cushcraft boomers) and thought it would probably be useful to bypass the lossy TX/RX relay etc in the FT-221R and also the amplifier to squeeze as much out of the system as possible. Feeder is 12M LMR-400 but was shocked to work a DL last week who was not so strong...maybe some local noise but I was running just 90w and he was running 500w!

The Tohtsu CX-600N looks like a good (But expensive) choice. This would provide a direct feed from feeder to the muTek front end...

I may have the chance to obtain a DowKey relay of similar design but does anyone know if this will be as good (power handling/loss etc). I can't find a specification.. I think its a DowKey 60 series

VY 73 Rex G8UBJ

7. Re: Bypass relay

Yahoo group: Mutekhightechnology
Date: 2012-03-17 21:27:53 UTC
From: pwhatton
Topic: 6 Message: 7

Hi Rex

Great to know someone is still using the FT221 for DX work. I'll look forward to a QSO with you.

With the Mutek board the receiver is still very good by todays standards. Alas I haven't used mine much since the 1980s. Nowadays I use either a Muteked FT736R, or more often an Icom IC-746 because it has 100W output which is nice for driving my triode 2m amp.

Back in the 80s I had also bypassed the 221 relay. Then I was using the 221 to drive a pair of 4CX250Bs. I mounted a couple of BNC sockets on the rear panel and wired one to the input from the Mutek. The other went to the relay so if necessary a short patch lead would restore the FT221 to normal single socket operation.

I have always used surplus Amphenol N type coax relays gleaned from rallys. The going price for these is usually about £10.00. They also come up on ebay from time to time but may go for a bit more cash. The old Londex relays cost only £2 or so at rallys are also OK on 2m provided you can find the connectors. Or you can do what I did and drill & tap the body so you can screw in N sockets. Both types are good to 1kW on 2m provided the antenna is a reasonable match. I posted a Londex to Liviu YO4FNG who is using it on the output of his GS35 1500W out amplifier- not bad for a £2 relay!

As for the signal report on 2m. Assuming the BF981 or similar in the front end of the Mutek is still OK then it may indeed be a noise problem. In the troipo opening a few days ago Matej OK1TEH gave me a 559 report but I could barely hear him although we were both running similar power. My town QTH is horribly noisy. After midnight when the neighbours turn off their electroin toys the noise floor drops by about 15dB. When I elevate the antennas for EME it drops a further 10dB! Several times I have almost given up on 2m.

73 Paul G4DCV

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> VY 73 Rex G8UBJ
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8. Re: [Mutekhightechnology] Re: Bypass relay

Yahoo group: Mutekhightechnology
Date: 2012-03-18 03:54:57 UTC
From: Derek G8ECI
Topic: 6 Message: 8

Hi Paul and Rex,

This chat of 4CX250B Amps, FT221r's and Mutek front End's has wetted my appetite to fire up the DK1OF Amp (after some 12 years of sitting up on a shelf) and warming up the ether around Louth Linc's JO03 square, just need to get the Westower installed and then put the 12 Ele M Squared back on it....mmmm wonder if the Xyl would make a start on digging the hole for the concrete base for the tower?

Have fun on 2M, I think it might be while before I get back up there, although I am hankering after a IC746, bought a 756 last year, and think a 746 would be a good addition.

73 es Dx Derek G8ECI

From: pwhatton <paul@...>
To: Mutekhightechnology@yahoogroups.com
Sent: Sunday, 18 March 2012, 0:27
Subject: [Mutekhightechnology] Re: Bypass relay

Hi Rex

Great to know someone is still using the FT221 for DX work. I'll look forward to a QSO with you.

With the Mutek board the receiver is still very good by todays standards. Alas I haven't used mine much since the 1980s. Nowadays I use either a Muteked FT736R, or more often an Icom IC-746 because it has 100W output which is nice for driving my triode 2m amp.

Back in the 80s I had also bypassed the 221 relay. Then I was using the 221 to drive a pair of 4CX250Bs. I mounted a couple of BNC sockets on the rear panel and wired one to the input from the Mutek. The other went to the relay so if necessary a short patch lead would restore the FT221 to normal single socket operation.

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>
> VY 73 Rex G8UBJ
>

9. Re: Bypass relay

Yahoo group: Mutekhightechnology
Date: 2012-03-18 05:16:13 UTC
From: g8ubj
Topic: 6 Message: 9

Thanks for the info Paul, I will have a look around for relays. The antenna system is a very good match so I may have a look for an amphenol relay. I have a length of good quality PTFE coax and will run it straight to the board with an N-connector to the relay.

Yes anyone in an urban environment these days has noise. I have just about eliminated everything in my QTH but of course I have close neighbours and there is something to the SE that starts up most afternoons at S2 noise (I suspact a plasma tv).

I work in IT and it took quite a few loaned LCD monitors before I found a quiet enough one for the shack. I now have a Fujitsu monitor thats seems about the best... Also have some very bright LED spot lights that had to be moved on due to hash.. The problem is going to get worse...

I did have some HF noise (Local broadband system)but running full power on RTTY seems to have cured it.. Maybe I can do the same on 2M HI.

73 G8UBJ

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>
> Hi Rex
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> > VY 73 Rex G8UBJ
> >
>

10. Re: Bypass relay

Yahoo group: Mutekhightechnology
Date: 2012-03-18 05:27:34 UTC
From: g8ubj
Topic: 6 Message: 10

okay well that sounds like a plan, how many meters can she move in a day.. Reminds me of a tower Martin Lynch put up... 6x6x6 hole required.. He hired a guy with a spade from the Emerald isle and it was dug in a day (We were impressed!) Think it was a P60 - looked fantastic (Would have been even better if he had permission ;o)

Some of these new yagis really do work well compared with the old jaybeam dummy loads. I like the Boomers as they have a nice clean pattern (I have a personal loathing of Gamma matches)...

I also run an FT-897 on 2M with inrad filters.. Seems nearly as sensitive as the 221 but lacks the dynamic range and of course there is no option for a direct feed (or a muTek board)...

I wonder out of all the new "shack in a box radios" which perform best on 2M.. Or should that be least worst..?

--- In Mutekhightechnology@yahoogroups.com, Derek G8ECI <g8eci@...> wrote:
>
> Hi Paul and Rex,
> Â
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> 73 es Dx Derek G8ECI
>
> From: pwhatton <paul@...>
> To: Mutekhightechnology@yahoogroups.com
> Sent: Sunday, 18 March 2012, 0:27
> Subject: [Mutekhightechnology] Re: Bypass relay
>
>
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> > VY 73 Rex G8UBJ
> >
>

11. Coax relays

Yahoo group: Mutekhightechnology
Date: 2012-03-18 09:49:36 UTC
From: pwhatton
Topic: 11 Message: 11

I think this might be what you are looking for Rex

Ebay item 300680595339

http://www.ebay.co.uk/itm/AMPHENOL-COAXIAL-ANTENNA-CHANGE-OVER-RELAY-N-CONNECTORS-NEW-/300680595339?pt=UK_ConsumerElectronics_SpecialistRadioEquipment_SM&hash=item4601f5c78b

Fine at UK power levels on 2m provided you don't hot switch.

OK at 1kW provided you take care. The limitation is the N socket. If you get a dodgy load and the N socket happens to be at a current point the heating in the centre contact can make the N socket explode! Of course I only know this anecdotally :-)

73 Paul G4DCV

12. Re: [Mutekhightechnology] Re: Bypass relay

Yahoo group: Mutekhightechnology
Date: 2012-03-18 10:46:07 UTC
From: Paul Whatton
Topic: 6 Message: 12

Hi Derek

I'd certainly encourage you to get back on.

The M2 antennas are great. I have a 9 ele here and a pair of big 17 element 5WLs in my shed which we take out for contests.

Some folk are very negative and say that there isn't any activity on 2m DX modes these days. I'm not of that school. True that not that many folk call CQ on 144.300 any longer (although some do). It's just that with ON4KST chat folk pop up on a frequency to make a QSO and then vanish until the next one. I certainly work plenty of nice stuff from here despite a really awful QTH which as well as being noisy is surrounded by higher ground close by in most directions. I can look down on my antenna from several points around here!

To give you an idea here's my online summary, which isn't very up to date:

http://www.g4dcv.co.uk/radio/squares.htm

http://www.g4dcv.co.uk/radio/dxcc.htm

You'll do much better than this from Lincs. There are a couple of big guns not too far from you, Bryn G4DEZ who is up on the Wolds and David G4DHF in Bourne. Both work some fantastic stuff on 2m.

See you on 2m :-)

Paul G4DCV

On 18/03/2012 03:54, Derek G8ECI wrote:
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> think a 746 would be a good addition.
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13. Re: [Mutekhightechnology] Re: Bypass relay

Yahoo group: Mutekhightechnology
Date: 2012-03-18 13:23:07 UTC
From: Derek G8ECI
Topic: 6 Message: 13

Hi Paul,

Yes, I remember when I nearly had all of JO03 Square to myself, Bryn has been very quiet these last few months, I normally hear him on 6, 4 or 2M but nowt (as the say ooop Norf) for sometime. He actually moved up my way as I moved from the quiet location in the sticks around 20Ft ASL to the town, not much higher, around 100Ft ASL, but up against the wolds to my west, although I have heard the Cornish Beacon on 2M come up out of the noise, I hope that IF and when I ever get around to planting the tower, I hope the extra height will compensate for the location, out towards the east, both north and south the ground falls away, and I can always tell when there was a lift on, the Dutch TV would come through causing havoc over the local channels, even with Sat TV the Xyl has the extra Sky remote thingy in the bedroom and if the external antenna is plugged, the box in the bedroom ends up with squiggles all over the screen.

I have a 9 Ele Tonna on short mast next to the shack, but the driven element fell off it over a year back, and its not so easy to get down and back up again single handed, hopefully the daugther's boyfriend will be able to assist me next time home (2 weeks away).

If I do get the Tonna sorted, I might be tempted to stoke up the 1 x 250B Amp again, need to bring the smoothers up nice and slow, might be a frightening thing if they went bang....My little mast is realy overloaded with a 3Ele for 6M, a 4 ele for 4M and the Tonna for 2M and a 23Ele Tonna for 23CM, the only thing I have heard there in 12 years is the Martlesham Beacon so I may remove that, and give the other yagi's a bit of room!!

It's like everything I need to do and want to do, it's having the time to get it done....just dont seem to have that to spare anymore...perhaps I'm just getting too old...ha ha..

73 Derek G8ECI - still in the desert.

From: Paul Whatton <paul@...>
To: Mutekhightechnology@yahoogroups.com
Sent: Sunday, 18 March 2012, 13:46
Subject: Re: [Mutekhightechnology] Re: Bypass relay

Hi Derek

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>
>
>

14. Hello

Yahoo group: Mutekhightechnology
Date: 2012-03-19 10:31:05 UTC
From: gd1mip
Topic: 14 Message: 14

Thanks for setting up the group / resource.

I have an FT221 (alas no Mutek board) still in use, and a Belcom Liner 2 (for nostalgia).

I am just about to put the beams up for the summer
(15 ele 70cm 2.2m boom - 10 ele 2m 2.3m boom and an aged Jaybeam 4 ele DB4-4/6 4ele 6&4m 3m boom).

73 Andy
GD1MIP IO74TI

15. GFBA 144e Masthead Preamp

Yahoo group: Mutekhightechnology
Date: 2012-03-24 01:14:41 UTC
From: DAVE LEE
Topic: 15 Message: 15

Hi All,

I have been cleaning out nsome cupboards in my loft/shack and have found a masthead preamp from years ago. has anyone got any info sheets for this.

Many Thanks
Dave

G1NFT

16. Re: Coax relays

Yahoo group: Mutekhightechnology
Date: 2012-03-24 16:43:01 UTC
From: g8ubj
Topic: 11 Message: 16

Thanks I have it, close though as I was nearly sniped at the last sec...

Now all I have to do is a little construction..

--- In Mutekhightechnology@yahoogroups.com, "pwhatton" <paul@...> wrote:
>
> I think this might be what you are looking for Rex
>
> Ebay item 300680595339
>
> http://www.ebay.co.uk/itm/AMPHENOL-COAXIAL-ANTENNA-CHANGE-OVER-RELAY-N-CONNECTORS-NEW-/300680595339?pt=UK_ConsumerElectronics_SpecialistRadioEquipment_SM&hash=item4601f5c78b
>
> Fine at UK power levels on 2m provided you don't hot switch.
>
> OK at 1kW provided you take care. The limitation is the N socket. If you get a dodgy load and the N socket happens to be at a current point the heating in the centre contact can make the N socket explode! Of course I only know this anecdotally :-)
>
> 73 Paul G4DCV
>

17. TVVF 57a

Yahoo group: Mutekhightechnology
Date: 2012-05-18 09:39:44 UTC
From: Stephen
Topic: 17 Message: 17

Does anyone have any information about the TVVF 57a, as I have aquirered one without a manual or any connection information.

Any information about the connections or on-board jumper functions would be much appreciated.

18. Re: TVVF 57a

Yahoo group: Mutekhightechnology
Date: 2012-05-19 04:21:12 UTC
From: zl1ujg
Topic: 17 Message: 18

Hi,
Kevin ZL1UJG here.
I note that the MutekRF site, has some recent info on it (this month), so a line to the email address on the website, may provide a reply now.

FT221 Mutek Front end and other ongoing modifications
IC202 Mutek Front end

Kevin

19. Re: TVVF 57a

Yahoo group: Mutekhightechnology
Date: 2012-06-12 08:03:04 UTC
From: Stephen
Topic: 17 Message: 19

I have just received a reply from the new owner of Mutek with some information about the TVVF57a, it sounds like Simon is has access to the old documentation, but that it may be incomplete. From personal experience I know that there is probly going to be a lot of work to sort out information that wasn't handed over in an organised manner.

For anyone else who may find it useful the connection information is:

pin 1 PTT, pin 2 0v, pin 3 band out, pin 4 ALC out, pin 5 nc (or possibly +14V on), pin 6 +28V, pin 7 0V Tx out.

However the main documentation describes the connections in more detail as follows:

Pin 1 PTT / Hard Switching input. Ground for Tx mode, if this option used then recomends receive delay is disabled by removing link shown in fig 1. States a green wire is connected to this pin. (sorry fig 1 is missing!)

Pin 2 Ground 0V Black wire.

Pin 3 Band switch relay output. 12V 0.25A (use diode across relay coil to supress back E.M.F.)

Pin 4 ALC output. This outputs a 0 to -5v analogue voltage with source impedance of 100 ohms to drive external ALC of a suitable transceiver. Yellow wire

Pin 5 Not Used.

Pin 6 +28V Supply Red or Orange wire.

Pin 7 Control output. This output is switched to ground when the transverter is in the transmit mode. Open collector. This should NOT be used to switch relays directly.

Other notes state:

100mW max drive at 28 to 30 MHz, Output of transverter 25Watts pep, & Power requirements 28 Volts DC at 2.5 Amps

--- In Mutekhightechnology@yahoogroups.com, "zl1ujg" <zl1ujg@...> wrote:
>
> Hi,
> Kevin ZL1UJG here.
> I note that the MutekRF site, has some recent info on it (this month), so a line to the email address on the website, may provide a reply now.
>
> FT221 Mutek Front end and other ongoing modifications
> IC202 Mutek Front end

>
> Kevin
>

20. New file uploaded to Mutekhightechnology

Yahoo group: Mutekhightechnology
Date: 2012-06-12 11:32:51 UTC
From: Mutekhightechnology@yahoogroups.com
Topic: 2 Message: 20

```
Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the Mutekhightechnology
group.

File : /TVVF 57a Mk II/TVVF 57a Info
Uploaded by : stephentompsett <stephen.tompsett@...>
Description : TVVF 57a Connection information

You can access this file at the URL:
http://groups.yahoo.com/group/Mutekhightechnology/files/TVVF%2057a%20Mk%20II/TVVF%2057a%20
Info

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/l/us/yahoo/groups/original/members/web/index.html
Regards,

stephentompsett <stephen.tompsett@...>
```

21. IF output after Mutek front end

Yahoo group: Mutekhightechnology
Date: 2012-06-23 21:29:59 UTC
From: zl1ujg
Topic: 21 Message: 21

Hi
I have been doing changes to my FT221R with Mutek frontend.
I have reworked the TX ALC and the PA,driver base bias on the PA.

While looking at the receiver I saw a ripple in the noise response
coming from the frontend when looking at the connection between the FM IF and frontend boards.

The ripple comes from the SSB filter reflection (via the other SSB IF amp) as disconnecting the SSB filter makes it go back to normal)

Has anyone else noticed that?

I think the fix is to put a grounded gate FET amp between the two boards

Kevin
ZL1UJG/ZL1MRF

22. PS

Yahoo group: Mutekhightechnology
Date: 2012-06-23 21:31:17 UTC
From: zl1ujg
Topic: 22 Message: 22

```
There is an image in the FT221 frontend folder which shows the issue.
Kevin
```

23. Front end blown

Yahoo group: Mutekhightechnology
Date: 2012-09-24 08:05:07 UTC
From: g8ubj
Topic: 23 Message: 23

I seem to have lost the front end on my FT-225 board (BF988) this is the 2nd time, I think it may be a nearby HF antenna... I'm surprised as I have several low pass filters on my HF system.
Has anyone else seen this?
I can only think of two possible solutions
- A mute function when i transmit on HF
- 2M bandpass filter

G8UBJ Rex

24. Re: Front end blown

Yahoo group: Mutekhightechnology
Date: 2012-11-13 15:33:34 UTC
From: g8ubj
Topic: 23 Message: 24

Fixed with a simple mute function (Cuts off the 12V supply to the front end when 0V is applied to one of the phono sockets)

--- In Mutekhightechnology@yahoogroups.com, "g8ubj" <g8ubj.io91uj@...> wrote:
>
> I seem to have lost the front end on my FT-225 board (BF988) this is the 2nd time, I think it may be a nearby HF antenna... I'm surprised as I have several low pass filters on my HF system.
> Has anyone else seen this?
> I can only think of two possible solutions
> - A mute function when i transmit on HF
> - 2M bandpass filter
>
> G8UBJ Rex
>

25. SLNA144 Preamp

Yahoo group: Mutekhightechnology
Date: 2013-02-04 04:35:47 UTC
From: zl1ujg
Topic: 25 Message: 25

Hi,

I have a Mutek SLNA144S preamp (small diecast box, with BNC's) which is showing intermittent relays, which isnt unexpected given its age.
The relays are SDS RS-12v ones, which have a peculiar pin-out and are in a metal can.
Has anyone else needed to replace them, and if so, with what.
I think, SDS was sold to NAIS, then Panasonic, but no luck so far.

Thanks
Kevin
ZL1UJG

26. Re: TVVF 57a

Yahoo group: Mutekhightechnology
Date: 2013-07-25 09:16:35 UTC
From: gm4toe
Topic: 17 Message: 26

There is a link connector in the middle of the pcb labelled "50" and "70". The link is presently set to "70". Does anybody know the function of this link please?

Guess there is no schematic about!!

Barry GM4TOE

--- In Mutekhightechnology@yahoogroups.com, "Stephen" <stephen.tompsett@...> wrote:
>
> I have just received a reply from the new owner of Mutek with some information about the TVVF57a, it sounds like Simon is has access to the old documentation, but that it may be incomplete. From personal experience I know that there is probly going to be a lot of work to sort out information that wasn't handed over in an organised manner.
>
> For anyone else who may find it useful the connection information is:
>
>
> pin 1 PTT, pin 2 0v, pin 3 band out, pin 4 ALC out, pin 5 nc (or possibly
> +14V on), pin 6 +28V, pin 7 0V Tx out.
>
> However the main documentation describes the connections in more detail as
> follows:
>
> Pin 1 PTT / Hard Switching input. Ground for Tx mode, if this option used
> then recomends receive delay is disabled by removing link shown in fig 1.
> States a green wire is connected to this pin. (sorry fig 1 is missing!)
>
> Pin 2 Ground 0V Black wire.
>
> Pin 3 Band switch relay output. 12V 0.25A (use diode across relay coil to
> supress back E.M.F.)
>
> Pin 4 ALC output. This outputs a 0 to -5v analogue voltage with source
> impedance of 100 ohms to drive external ALC of a suitable transceiver.
> Yellow wire
>
> Pin 5 Not Used.
>
> Pin 6 +28V Supply Red or Orange wire.
>
> Pin 7 Control output. This output is switched to ground when the
> transverter is in the transmit mode. Open collector. This should NOT be
> used to switch relays directly.
>
>
> Other notes state:

>
> 100mW max drive at 28 to 30 MHz, Output of transverter 25Watts pep, &
> Power requirements 28 Volts DC at 2.5 Amps
>
>
> --- In Mutekhightechnology@yahoogroups.com, "zl1ujg" <zl1ujg@> wrote:
> >
> > Hi,
> > Kevin ZL1UJG here.
> > I note that the MutekRF site, has some recent info on it (this month), so a line to the email address on the website, may provide a reply now.
> >
> > FT221 Mutek Front end and other ongoing modifications
> > IC202 Mutek Front end
> >
> > Kevin
> >
>

27. 2m transverter TVVF 144a Mk II

Yahoo group: Mutekhightechnology
Date: 2013-07-25 12:16:43 UTC
From: gm4toe
Topic: 27 Message: 27

Is the TVVF 144a Mk II also a 28 volt transverter like the later 50/70MHz products? It utilises the same PA device and has regulators for the low voltage lines.

Barry GM4TOE

28. RE: 2m transverter TVVF 144a Mk II

Yahoo group: Mutekhightechnology
Date: 2014-01-19 17:54:59 UTC
From: <g8ubj.io91uj@...>
Topic: 27 Message: 28

I was interested in obtaining one but like you can't find anything on the supply voltage. If anyone has a manual please upload...

29. Re: [Mutekhightechnology] RE: 2m transverter TVVF 144a Mk II

Yahoo group: Mutekhightechnology
Date: 2014-01-19 19:21:37 UTC
From: Paul
Topic: 27 Message: 29

I don't have a manual or circuit diagram but this is from the Mutek web site before it went offline. Supply appears to be 28V.

The muTek range of linear frequency transverters enable operation on new bands without the expense and confusion of having to purchase a new transceiver for each band. The range of transverters is split into two groups denoted by the suffix 'a' or 'c'. The 'a' suffix transverters have been designed to operate with H.F. transceivers with a low power 28/30 MHz transverter output. These transverters will all operate with the transceivers external A.L.C., or with their own internal A.L.C. This use of automatic level control is unique to muTek transverters, and prevents overdrive of the output stage and hence keeps the transmitted signal clean, even when an over enthusiastic operator 'talks it up' under contest excitement. The 'c' suffix transverters operate from a 144/146 MHz I.F. and are designed for power levels up to 10W. These transverters have all the facilities of the 'a' suffix units, except there is no A.L.C. feedback to the transceiver as this facility is very rarely found on modern V.H.F. rigs. The transverters are housed in a rugged aluminum chassis with a steel lid and finished with a decorative front panel. The dimensions are 12.5" X 1.5" X 6.5". The I.F. connectors are BNC and the RF connectors are N type. The transverters are powered from 28V (no stabilization needed!) and feature 25W power MOS fet output stages, giving higher tolerance to high VSWR's.

And from the page about the TVVF 144a MkII

The Mk I version of this popular transverter has been used by the most successful groups in contest working. The Mk II version has been equipped with an ultra high performance GaAs fet front end and a 25W power MOS output stage. It provides truly excellent performance on the 2m band when used with a good H.F. transceiver. It provides 25W pep or CW from a drive level of 0.1 to 250mW. The receive amplifier is a low noise two stage negative feedback design, as used in the GMFA 144e, resulting in a noise figure of 1.75 dB combined with excellent strong signal capabilities.*_

Receiver_*

Frequency 144 - 148 MHz, 2 ranges
Noise Figure <1.75dB
Translation Gain 0 - 20dB, variable
Input Intercept point +10dBm, third order
Image rejection >70 dB

*_Transmitter_*

Power output 2 - 25W pep,cw,or FM
Drive 0.1 - 250 mW /50 ohm
D.C. supply 28v @ 2.5A

Paul G4DCV

On 19/01/2014 17:54, g8ubj.io91uj@... wrote:
>
> I was interested in obtaining one but like you can't find anything on
> the supply voltage. If anyone has a manual please upload...
>
>
>
> No virus found in this message.
> Checked by AVG - www.avg.com <http://www.avg.com>
> Version: 2014.0.4259 / Virus Database: 3681/7015 - Release Date: 01/19/14
>

30. Mutek front end board for FT221

Yahoo group: Mutekhightechnology
Date: 2014-04-20 14:15:52 UTC
From: <david@...>
Topic: 30 Message: 30

Hi guys. I was needing some thoughts on a problem with a Mutek front end board for the Yaesu FT221 transceiver. My plea last week on the VHFandUHF Yahoo group for the MUTEK correspondent I'd seen posting previously certainly hit the nail on the head. Besides subscribers contacting me off-list with his name, Chris GW4DGU contacted me himself and we had a number of very interesting exchanges about MUTEK itself and the MUTEK front end board for the Yaesu FT221/225 rigs. Here are our off-list exchanges for those who may find them of interest on this group.

Hello David

I was the founder and first MD of muTek. I took the original G3SEK concept and redesigned the FT221 front-end both to make it reproducible in manufacture and to improve its performance. I was also responsible for the design of most of the products made by muTek under subsequent owners.

I sold muTek in 1986, and have since worked professionally as a consultant in RF circuit design. I don't have any of the original documentation. That went with the Company. Also, after 30+ years most of the components I used at that time are now obsolete.

Having said all of that, a FT221/225 fitted with the front-end board is still difficult to beat for signal-path performance, although the old-fashioned analogue synthesiser doesn't really have the frequency stability to cope with modern modulation schemes.

If I can help, I will, of course, but I can't offer any help with repairs. If you need the board fixing, I suggest that you approach Barry, GM4TOE.

Vy 73 Chris GW4DGU

Hi Chris. Thanks for replying so quickly, I had a feeling it was a GW4 prefix that penned the original post! :) Interesting to hear about Mutek and your involvement with it. I'm certain you're pretty proud of being a part of such a well-renowned company. Still talked about today!

Firstly, I have the manual and circuit for the Mutek front end board - available here:

http://www.g4dcv.co.uk/ft221r/ft221r.htm

and the service manual for the 221 itself. And as you'll see I feel I have enough experience to delve :) And I use the rig only on SSB :)

I bought the 221 with Mutek front end board recently and found it to be deaf on all modes. You may remember that the 221 has separate IFs for FM, and SSB, CW and AM. As it was deaf on all modes I presumed the Mutek board had taken a hit, and it had.

I replaced the front end MOSFET with a new BF981 and this restored the sensitivity. The Mutek manual has 3SK88 crossed out and BF981 written in. My first question is is the

biasing still OK for a 981 instead of a 3SK88? I feel it's pretty close....

Now, although the sensitivity was now OK after tweaking the front end tuned circuit, the overall 221 gain was low - a 5.9++ signal was only showing 5.3 on the calibrated S-meter, and you had to turn up the audio gain to hear weaker signals.

After tweaking other tuned circuits on the Mutek board, which were actually about spot on and didn't improve gain really at all, I turned to the mixer post-amp MOSFET TR2, thinking this may have been taken by lightning or whatever too. It's a 3SK74 and as I only had BF981s I substituted it with one of those. Now, the gain had only risen ever so slightly, hardly even worth mentioning, so that couldn't be the culprit. But my second question is, is a BF981 acceptable here too for intermod etc etc?

So now I was feeling that if TR2 hadn't been taken, then TR4 - SSB IF HEAD AMP, should be OK. Would you feel the same about that? And should the tuned circuits be tuned for maximum smoke? (I tuned them on 144.200 which is suggested in the 221 service manual. When you switch to different parts of the 2m band varactors in the 221 come into play to keep the tuned circuits aligned).

Finally! I'm now feeling the problem is with the 221 SSB IF section. That the alignment has drifted. However, the inductors have candle wax in them making adjustment impossible. C'est la vie!

I really do appreciate any comments or suggestions as I feel the FT221 is a great rig to use, no menus - you feel like you're in control :)

With Best 73s, David G4TUP.

Hello again, David.

You seem to be going down the right path with your work on the FT221/Front-end Board.

We used the BF981 in later production: the impedances at 2m were very similar to the 3SK88, and the device noise figure was slightly lower; about 0.8dB rather than 1.0dB. There AFAIR were no bias issues.

The post-mixer amplifier used some negative feedback, and if you could find one, the old BF960, operating at higher current, might make a slightly better substitution than a BF981. However the NFB will take-out many of the differences, and I don't think you'll compromise the linearity greatly by using the '981.

It must be 25years since I've seen the inside of a '221 or '225, so I can't comment in detail on the IF strip, however, I'd suspect the semiconductors first, certainly before the alignment of the IF transformers. The manual will probably have tables of typical voltages which should provide a clue. If not, It should be possible to find someone with a '221 who would let you measure theirs. the deafness on all modes seems to indicate something very early-on in the signal chain. It might be worth looking at the switching diodes, for instance.

Feel free to ask any other questions!

I was sad to have to sell muTek, but I had a sick wife, and was under a lot of domestic pressure. I'm still active, although that's suffered over the last couple of years. Nowadays, I mainly operate portable on 10GHz, but hope to be back on the Moon on that band, and on 24GHz, once I have completed the (extended!!) relocation process. I may even re-appear on 144 and 432.

73s Chris.

Thanks Chris. The 221/225 have slot in cards for each section of the rig. I have an extender card so working on the cards volts-wise externally is easy. The SSB IF card has SSB/CW/AM IF input, then odd bits of circuit do their work on demodulating the SSB/CW and AM modes, before going through the mode switch and back on to the card for AF amplification.

Yes, I'll have a look at the IF transistors and if they're OK start thinking about the switching diodes on the Mutek board. I'll certainly get there in the end! Thanks!

I also have a MUTEK SBLA 144e masthead pre-amp, which works fine. Even though it's 'vintage' I find it's about two S-points more sensitive than my 897 on 2m. Funnily enough though I find it's about par with my MM 2m 100w linear pre-amp of the same vintage.

Well Chris, thanks so much for your thoughts and good to get comments from the person who was in there at the beginning with the board! I'll get to solving the problem after Easter and get back to you just to tie the knots :)

With Best 73s and again thanks, David G4TUP.

Hi David. One further thought about your '221 board. It could be that roofing filter is faulty. Being essentially electromechanical devices, crystal filters do develop faults surprisingly frequently ... If you were to check the loss through the filter with, say, an oscilloscope and high impedance probe, while the transceiver is tuned to a strong signal, you should see less than 6dB (ie. 2:1 voltage ratio) insertion loss. That should be reasonably flat across the 12kHz nominal filter bandwidth.

73s to all, David G4TUP.

31. new member and an enquirery

Yahoo group: Mutekhightechnology
Date: 2014-04-20 16:58:10 UTC
From: <stansfield84@...>
Topic: 31 Message: 31

hi all my name is jim and my callsign is g1asn i came on this group and i hope someone may be able to help I have a couple of Yaesu ft290r mk1's and one was fitted with the ususal Slna 145sb mutek front end another had what looks like a version but in SMT format (I will try to upload a photo) the radio with this version was inoperative it took some time but aftre returning the 290 back to original condition i am loathe to refit the unit back. It originally was hot glued to an original 145sb pcb. I would appreciate any info by the way as can be seen from the photo this is the condition it was in in the radio hope someone can help yours jim G1ASN

32. MuTek SLNA -144s

Yahoo group: Mutekhightechnology
Date: 2014-06-20 17:37:26 UTC
From: g8cau@...
Topic: 32 Message: 32

Greetings All

Came across the group while desperately searching for info on the SLNA-144s

Has anyone out there got a user manual/circuit diagram &/or board layout?

My unit has a burnt out R in the RF sense circuit, so bad I can't see what it was!

Understand the SNLA 144s used a BF981, is there any up-to-date replacement????

TIA

John - G8CAU

33. New file uploaded to Mutekhightechnology

Yahoo group: Mutekhightechnology
Date: 2014-08-16 11:10:24 UTC
From: Mutekhightechnology@yahoogroups.com
Topic: 33 Message: 33

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the Mutekhightechnology
group.

File : /SLNA 433/MuTek SLNA433 Page 1 of 2.pdf
Uploaded by : g4wfr_richard <g4wfr@...>
Description : SLNA 433 Schematic

You can access this file at the URL:
https://groups.yahoo.com/neo/groups/Mutekhightechnology/files/SLNA%20433/MuTek%20SLNA433%20Page%201%20of%202.pdf

To learn more about file sharing for your group, please visit:
https://help.yahoo.com/kb/index?page=content&y=PROD_GRPS&locale=en_US&id=SLN15398

Regards,

g4wfr_richard <g4wfr@...>

34. New file uploaded to Mutekhightechnology

Yahoo group: Mutekhightechnology
Date: 2014-08-16 11:10:51 UTC
From: Mutekhightechnology@yahoogroups.com
Topic: 33 Message: 34

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the Mutekhightechnology
group.

File : /SLNA 433/MuTek SLNA433 Page 2 of 2.pdf
Uploaded by : g4wfr_richard <g4wfr@...>
Description : SLNA 433 details of T1

You can access this file at the URL:
https://groups.yahoo.com/neo/groups/Mutekhightechnology/files/SLNA%20433/MuTek%20SLNA433%20Page%202%20of%202.pdf

To learn more about file sharing for your group, please visit:
https://help.yahoo.com/kb/index?page=content&y=PROD_GRPS&locale=en_US&id=SLN15398

Regards,

g4wfr_richard <g4wfr@...>

35. SLNA 433 Schematic

Yahoo group: Mutekhightechnology
Date: 2014-08-16 11:48:57 UTC
From: Richard Cooper G4WFR
Topic: 35 Message: 35

As you may have noticed, I uploaded a couple of PDF's on the SLNA433 earlier to the files area. I found these paper documents recently so thought I would share with the rest of you.

There are some changes made to the original as can be seen, these were made before I laid hands on them so I can't guarantee how accurate they are but it's probably far better than nothing at all!

Hopefully they are of use.

73,

Richard G4WFR

This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

36. Accessing Files

Yahoo group: Mutekhightechnology
Date: 2015-07-16 10:04:29 UTC
From: Alwyn Seeds
Topic: 36 Message: 36

Dear All,

For some reason I see a no-entry sign when trying to look at files in this group.

What am I doing wrong, please?

Thanks,

Alwyn, G8DOH

Alwyn Seeds, Director
SynOptika Ltd.,
114 Beaufort Street,
London,
SW3 6BU,
England.

Tel.: +44 (0) 20 7376 4110

SynOptika Ltd., Registered in England and Wales: No. 04606737
Registered Office: 114 Beaufort Street, London, SW3 6BU, United Kingdom.

37. Accessing Files

Yahoo group: Mutekhightechnology
Date: 2015-07-16 19:17:18 UTC
From: Alwyn Seeds
Topic: 36 Message: 37

Dear All,

Thanks for the helpful suggestions. Have re-registered and all works, now.

73

Alwyn, G8DOH

Alwyn Seeds, Director
SynOptika Ltd.,
114 Beaufort Street,
London,
SW3 6BU,
England.

Tel.: +44 (0) 20 7376 4110

SynOptika Ltd., Registered in England and Wales: No. 04606737
Registered Office: 114 Beaufort Street, London, SW3 6BU, United Kingdom.

38. New file uploaded to Mutekhightechnology

Yahoo group: Mutekhightechnology
Date: 2015-07-16 20:17:41 UTC
From: Mutekhightechnology@yahoogroups.com
Topic: 33 Message: 38

```
Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the Mutekhightechnology
group.

File : /SCN_0002r.pdf
Uploaded by : alwyn.seeds1 <alwyn.seeds1@...>
Description : Hand-drawn circuit of TVVF 50a

You can access this file at the URL:
https://groups.yahoo.com/neo/groups/Mutekhightechnology/files/SCN_0002r.pdf

To learn more about file sharing for your group, please visit:
https://help.yahoo.com/kb/index?page=content&y=PROD_GRPS&locale=en_US&id=SLN15398

Regards,

alwyn.seeds1 <alwyn.seeds1@...>
```

39. New file uploaded to Mutekhightechnology

Yahoo group: Mutekhightechnology
Date: 2015-07-16 20:20:22 UTC
From: Mutekhightechnology@yahoogroups.com
Topic: 33 Message: 39

```
Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the Mutekhightechnology
group.

File : /TVVF 50a/SCN_0002r.pdf
Uploaded by : alwyn.seeds1 <alwyn.seeds1@...>
Description : Hand-drawn circuit of TVVF 50a

You can access this file at the URL:
https://groups.yahoo.com/neo/groups/Mutekhightechnology/files/TVVF%2050a/SCN_0002r.pdf

To learn more about file sharing for your group, please visit:
https://help.yahoo.com/kb/index?page=content&y=PROD_GRPS&locale=en_US&id=SLN15398

Regards,

alwyn.seeds1 <alwyn.seeds1@...>
```

40. New file uploaded to Mutekhightechnology

Yahoo group: Mutekhightechnology
Date: 2015-07-16 20:22:47 UTC
From: Mutekhightechnology@yahoogroups.com
Topic: 33 Message: 40

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the Mutekhightechnology
group.

File : /TVVF 144a Mk II/SCN_0003r.pdf
Uploaded by : alwyn.seeds1 <alwyn.seeds1@...>
Description : Manual with hand-written amendments for TVVF 144a Mk II

You can access this file at the URL:
https://groups.yahoo.com/neo/groups/Mutekhightechnology/files/TVVF%20144a%20Mk%20II/SCN_0003r.pdf

To learn more about file sharing for your group, please visit:
https://help.yahoo.com/kb/index?page=content&y=PROD_GRPS&locale=en_US&id=SLN15398

Regards,

alwyn.seeds1 <alwyn.seeds1@...>

41. New file uploaded to Mutekhightechnology

Yahoo group: Mutekhightechnology
Date: 2016-01-24 12:19:22 UTC
From: Mutekhightechnology@yahoogroups.com
Topic: 33 Message: 41

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the Mutekhightechnology
group.

File : /SBLA 144e/muTek SBLA 144e Oct83.pdf
Uploaded by : unhban <david@...>
Description : Full manual with cct for SBLA 144e masthead pre-amp, circa Oct 1983

You can access this file at the URL:
https://groups.yahoo.com/neo/groups/Mutekhightechnology/files/SBLA%20144e/muTek%20SBLA%20144e%20Oct83.pdf

To learn more about file sharing for your group, please visit:
https://help.yahoo.com/kb/index?page=content&y=PROD_GRPS&locale=en_US&id=SLN15398

Regards,

unhban <david@...>

42. Re: [Mutekhightechnology] New file uploaded to Mutekhightechnology

Yahoo group: Mutekhightechnology
Date: 2016-01-24 18:24:10 UTC
From: Eddie G0EHV
Topic: 33 Message: 42

Thanks for this file.
Been looking for it for ages!
Eddie
G0EHV

Launched into the ether from my iPad

> On 24 Jan 2016, at 12:19, Mutekhightechnology@yahoogroups.com wrote:
>
>
> Hello,
>
> This email message is a notification to let you know that
> a file has been uploaded to the Files area of the Mutekhightechnology
> group.
>
> File : /SBLA 144e/muTek SBLA 144e Oct83.pdf
> Uploaded by : unhban <david@...>
> Description : Full manual with cct for SBLA 144e masthead pre-amp, circa Oct 1983
>
> You can access this file at the URL:
> https://groups.yahoo.com/neo/groups/Mutekhightechnology/files/SBLA%20144e/muTek%20SBLA%2
0144e%20Oct83.pdf
>
> To learn more about file sharing for your group, please visit:
> https://help.yahoo.com/kb/index?page=content&y=PROD_GRPS&locale=en_US&id=SLN15398
>
> Regards,
>
> unhban <david@...>
>

43. Re: [Mutekhightechnology] New file uploaded to Mutekhightechnology

Yahoo group: Mutekhightechnology
Date: 2016-01-25 10:59:10 UTC
From: DavidN
Topic: 33 Message: 43

Hi Eddie. Hoped it would be of some use. The unit is still operational and seems pretty sensitive to me. Not sure though how it does compare with the latest 2m pre-amps...

David G4TUP.

On Sun, Jan 24, 2016 at 6:24 PM, Eddie G0EHV g0ehv@... [Mutekhightechnology] <Mutekhightechnology@yahoogroups.com> wrote:

>
>
> Thanks for this file.
> Been looking for it for ages!
> Eddie
> G0EHV
>
> Launched into the ether from my iPad
>
> On 24 Jan 2016, at 12:19, Mutekhightechnology@yahoogroups.com wrote:
>
>
>
>
> Hello,
>
> This email message is a notification to let you know that
> a file has been uploaded to the Files area of the Mutekhightechnology
> group.
>
> File : /SBLA 144e/muTek SBLA 144e Oct83.pdf
> Uploaded by : unhban <david@norris.org>
> Description : Full manual with cct for SBLA 144e masthead pre-amp, circa
> Oct 1983
>
> You can access this file at the URL:
>
> https://groups.yahoo.com/neo/groups/Mutekhightechnology/files/SBLA%20144e/muTek%20SBLA%20144e%20Oct83.pdf
>
> To learn more about file sharing for your group, please visit:
>
> https://help.yahoo.com/kb/index?page=content&y=PROD_GRPS&locale=en_US&id=SLN15398
>
> Regards,
>
> unhban <david@...>

>
>
>

44. Re: [Mutekhightechnology] New file uploaded to Mutekhightechnology

Yahoo group: Mutekhightechnology
Date: 2016-01-25 16:52:37 UTC
From: Eddie G0EHV
Topic: 33 Message: 44

Hello David,
Mine is mounted at the feed of dk7zb 8 element yagi used for /P in UKAC contests, about 8 metres of feeder to radio.
Transforms the performance of the ts-2000! Gain just right.
I did change one of the BF981s when I got the preamp at a rally some years ago as it was blown. Worked fine ever since.
Thanks again,
Eddie
G0EHV

From: mailto:Mutekhightechnology@yahoogroups.com
Sent: Monday, January 25, 2016 10:59 AM
To: Mutekhightechnology@yahoogroups.com
Subject: Re: [Mutekhightechnology] New file uploaded to Mutekhightechnology

Hi Eddie. Hoped it would be of some use. The unit is still operational and seems pretty sensitive to me. Not sure though how it does compare with the latest 2m pre-amps...

David G4TUP.

On Sun, Jan 24, 2016 at 6:24 PM, Eddie G0EHV g0ehv@... [Mutekhightechnology] <Mutekhightechnology@yahoogroups.com> wrote:

Thanks for this file.
Been looking for it for ages!
Eddie
G0EHV

Launched into the ether from my iPad

On 24 Jan 2016, at 12:19, Mutekhightechnology@yahoogroups.com wrote:

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the Mutekhightechnology
group.

File : /SBLA 144e/muTek SBLA 144e Oct83.pdf
Uploaded by : unhban <david@...>
Description : Full manual with cct for SBLA 144e masthead pre-amp, circa Oct 1983

You can access this file at the URL:
https://groups.yahoo.com/neo/groups/Mutekhightechnology/files/SBLA%20144e/muTek%20SBLA%20144e%20Oct83.pdf

To learn more about file sharing for your group, please visit:
https://help.yahoo.com/kb/index?page=content&y=PROD_GRPS&locale=en_US&id=SLN15398

Regards,

unhban <david@...>

45. REPOST - MUTEK SLNA 144s PreAmp

Yahoo group: Mutekhightechnology
Date: 2016-02-11 15:42:28 UTC
From: g8cau@...
Topic: 45 Message: 45

Sorry to Re-post this request, but seem to be getting no-where! . . . . . .

Greetings All

Came across the group while desperately searching for info on the SLNA-144s

Has anyone out there got a user manual/circuit diagram &/or board layout?

My unit has a burnt out R in the RF sense circuit, so bad I can't see what it was!

Understand the SNLA 144s used a BF981, is there any up-to-date replacement????

TIA

John - G8CAU

46. Re: REPOST - MUTEK SLNA 144s PreAmp

Yahoo group: Mutekhightechnology
Date: 2016-02-12 16:16:23 UTC
From: alastair.turner@...
Topic: 45 Message: 46

Hi, no circuit diagram but I do have a clean unit so I can read the colour codes....I can try a digital photo and add labels of the resistor colour codes if that helps...

The BF981 is sometimes available from various ebay sellers, I do have a few spares (somewhere) and could pop one in the post if your QRZ address is OK. I think the BF988 can also be used.

AL
G4RUL

47. New file uploaded to Mutekhightechnology

Yahoo group: Mutekhightechnology
Date: 2016-02-12 20:30:20 UTC
From: Mutekhightechnology@yahoogroups.com
Topic: 33 Message: 47

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the Mutekhightechnology
group.

File : /SLNA145sbinst_1[1] mutek details.pdf
Uploaded by : stansfield84@... <stansfield84@...>
Description : replacement front end for the Yaesu FT290 Mk 1

You can access this file at the URL:
https://groups.yahoo.com/neo/groups/Mutekhightechnology/files/SLNA145sbinst_1%5B1%5D%20mutek%20details.pdf

To learn more about file sharing for your group, please visit:
https://help.yahoo.com/kb/index?page=content&y=PROD_GRPS&locale=en_US&id=SLN15398

Regards,

stansfield84@... <stansfield84@...>

48. Re: REPOST - MUTEK SLNA 144s PreAmp

Yahoo group: Mutekhightechnology
Date: 2016-02-13 12:37:55 UTC
From: g8cau@...
Topic: 45 Message: 48

Hi Al,
Thanks for reply.
Another local sent me a photo of his unit, managed to workout that the burnt-out resistor is/was! 11 ohms.
I think its in the rf sense circuit . . . .

As far as the BF981 goes, I'll have to wait and see if its blown!

Many thanks
John - G8CAU

49. Re: REPOST - MUTEK SLNA 144s PreAmp

Yahoo group: Mutekhightechnology
Date: 2016-05-07 09:19:45 UTC
From: paul.wilton@...
Topic: 45 Message: 49

If you look on mods.dk you will find copies of the SLNA manual and schematics.

73

Paul
M1CNK

50. New file uploaded to Mutekhightechnology

Yahoo group: Mutekhightechnology
Date: 2016-05-07 09:22:55 UTC
From: Mutekhightechnology@yahoogroups.com
Topic: 33 Message: 50

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the Mutekhightechnology
group.

File : /SLNA 433/muTek_SLNA_433SP.pdf
Uploaded by : wilts123 <paul.wilton@...>
Description : Manual for SLNA 433SP Series 2

You can access this file at the URL:
https://groups.yahoo.com/neo/groups/Mutekhightechnology/files/SLNA%20433/muTek_SLNA_433SP.pdf

To learn more about file sharing for your group, please visit:
https://help.yahoo.com/kb/index?page=content&y=PROD_GRPS&locale=en_US&id=SLN15398

Regards,

wilts123 <paul.wilton@...>

51. New file uploaded to Mutekhightechnology

Yahoo group: Mutekhightechnology
Date: 2016-05-07 09:25:10 UTC
From: Mutekhightechnology@yahoogroups.com
Topic: 33 Message: 51

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the Mutekhightechnology
group.

File : /SLNA 144SP/muTek_SLNA_144SP.pdf
Uploaded by : wilts123 <paul.wilton@...>
Description : muTek SLNA 144SP Manual

You can access this file at the URL:
https://groups.yahoo.com/neo/groups/Mutekhightechnology/files/SLNA%20144SP/muTek_SLNA_144SP.pdf

To learn more about file sharing for your group, please visit:
https://help.yahoo.com/kb/index?page=content&y=PROD_GRPS&locale=en_US&id=SLN15398

Regards,

wilts123 <paul.wilton@...>

52. GMFA 435

Yahoo group: Mutekhightechnology
Date: 2016-05-07 09:27:44 UTC
From: paul.wilton@...
Topic: 52 Message: 52

Does anyone have an details on the GMFA 435 Pre-amp? I'm guessing it is a GaAsFET but don't know much beyond that.

73

Paul
M1CNK

(PS hope you found the manual uploads useful)

53. ATCS 500 / GLNA 432 info

Yahoo group: Mutekhightechnology
Date: 2017-12-06 20:08:34 UTC
From: m0xvf@...
Topic: 53 Message: 53

Hi all, looking for any info,schematics for an ATCS 500 sequencer, the writing on the unit I have been given has completely rubbed off, even a photo of a unit with legible markings will do the job, also info on the GLNA 432 masthead preamp would be greatly appreciated.
Thanks
Jeremy M0XVF